

### ABSTRACT OF THE DISCLOSURE

A structural element includes at least one pre-tensioned fibre reinforced plastic reinforcement member, the pre-tensioned fibre reinforced plastic reinforcement member having a constant cross-section through a length of the reinforcement; and a polymer concrete member surrounding said pre-tensioned fibre reinforced plastic reinforcement member; wherein a force transfer between the fibre reinforced plastic reinforcement member and the polymer concrete is through polymer adhesive bonding.